

CLAIMS

What is claimed is:

- 5 1. A linear compressor, comprising:
a cylinder block;
a piston to reciprocate in the cylinder block, thus
compressing a refrigerant;
a moving part to reciprocate along with the piston; and
10 a stationary part to drive the moving part in cooperation
with the moving part, the stationary part comprising:
a bobbin wound with a coil;
a core to surround the bobbin; and
a molded part provided through an injection molding
15 process to fill a space between the core and the bobbin, thus
supporting both the core and the bobbin.
2. The linear compressor according to claim 1, wherein
the core comprises a plurality of cores, and
20 the molded part fills a space between the plurality of
cores.
3. The linear compressor according to claim 2, wherein
each of the plurality of cores comprises a pair of teeth
25 parts to face the moving part, and

the molded part fills a space between the pair of teeth parts.

4. The linear compressor according to claim 1, wherein the
5 molded part comprises a resin material.